

June Mixed Waste Subgroup Highlights

The Hanford STCG Mixed Waste (MW) Subgroup met on June 10, 1999 in the EESB Snoqualmie Room. Norm Olson distributed a copy of the new needs status report. This report includes all the new technology and science needs from this year. Norm also distributed copies of the S&T needs for the MW Program for FY2000. For the technology needs this year, four were deleted from last year, fourteen were updated and two new ones were added to last year's list. For the science needs there were five deleted, one updated, and two new needs added. The two new science needs RL-MW027-S, "Technology for the Determination of Organic Constituents in Small Waste Samples" and RL-MW-028-S, "Technology to Determine Radionuclide Speciation in Waste" were both endorsed by the subgroup.

Lori Fritz from the MWFA was here last week for a meeting on RH-TRU robotics work. There will be a meeting soon in Salt Lake City, on the issue of long-length equipment as part of the Robotics Initiative. Norm Olson wrote a white paper entitled "Hanford Waste Management Project Needs Related to Robotics and Remote Operations" that he distributed to the subgroup. This paper deals with both the processing and disposition of long-length equipment and oversized waste items as well as caisson waste retrieval and disposition. The goal is to team with the MWFA and Robotics Crosscut Program to develop solutions to these remote-system needs. There is a need to work with other DOE Sites that have similar needs to coordinate an approach to robotics and remote system operations. Sandia National Labs is very involved in the robotics work now.

Bill Bonner stated that two proposals have recently been sent to the MWFA for further funding. One proposal was for continuing work on SAMMS to remove Hg from SRS waste and the other proposal was to continue work on robotics end-effectors.

Tina Masterson-Heggen stated that Moses Jaraysi, who used to be the Ecology representative in this subgroup, will be leaving Ecology to work for Bechtel on vadose zone issues.

Norm Olson distributed copies of a technology demonstration fact sheet entitled "Laser Ablator For Decontamination of Metal Surfaces". This fact sheet provides details on the demo done on Hanford samples sent to General Lasertronics Corp. in Milpitas, CA.

Norm distributed a copy of a letter from Dale McKenney, WMH, detailing six new, proposed Technology Insertion Points (TIPs) for WMH work. These six TIPs include two related to M-91 for TRU/TRUM waste management and caisson waste retrieval, one on TRUW removal from the burial grounds, one on retrieval of spent nuclear fuel stored in the burial ground, one on an evaluation of tritium

removal technology, and one on lab modernization. These TIPs are all decision making points in the project baseline. They are now being reviewed by DOE prior to finalization. Each TIP will need a life cycle cost analysis in the future.

A copy of the EM Research and Development Program Plan, dated November 1998 will be sent to all subgroup members. There is a section on the MWFA and how they plan to proceed in the future that all subgroup members should review.

The next MW Subgroup Meeting is scheduled for July 8, at 1 p.m. in the EESB Stampede Room.

Mixed Waste Subgroup Meeting Attendees - 06/10/99

Bill Bonner	PNNL	372-6263
Ellen Dagan	DOE-RL	376-3811
Tina Masterson-Heggen	Ecology	736-5701
Norm Olson	FDH-Tech MGT	372-4810
Wayne Ross	PNNL	372-4684
Steve Weakley	PNNL	372-4275